PACIFIC

RECORD

1951

59¢

Sterling

Account Book

No. 5981

Rulings Carried in Stock

CASH

RECORD

SINGLE ENTRY LEDGER

DOUBLE ENTRY LEDGER

Made in U. S. A.

1950

BC 1-13 wich.

1951

BC 14 –

La Playita

BC 14

4-14-51   9^00 - 11^00 am.
Low tide 10^30 am + 0.6'
No surf.

N. of light on point about 1 mi.
N. of La Playita.
Zones 2 & 3. Open to sea-flats

Male & female Pugilis. Male br. red.
female dark brown. Mating, 2 prs.
Patiria, small.
P. unidn. large spots, heavy short 5 arms.
Long limbs 5 arms, dk. red-brown.
H. fulgens (s. green) small.
H. crach. small.
Murex or purpura.
1 Cypraea, small.
Chitons, several kinds.
Red algae
Small limpet shell.

Sta. Tomas

BC 15.

4-15-51   10^00 am : 12^30 Pm
Low Tide 11.15 am + 0.3'
No surf.

Santo Tomas: - ~~south~~ north to any
ground just N. of headland about
1/2 mile from village.
Zones 2 & 3: Open rocks to sea.

Haliotis crach. Many sm. to medium
H. fulgens (S. green)
Conus - Z. 3. burrowing roots.
Murex-like, with acanthine spine
Sea anemone (BC 14)
Feathery large Brittle Star.
Patiria, large.
Cucumaria (yellow)
Nudibranch, small, plain yellow
" ? scarlet
Norrisia - small.
Cypraea, "

BC 16 — San Ysidro N.

4-16-51 — 12 M - 3³⁰ P.m.

Low tide 12 M - little surf

Open abruptly rocky coast (except A)

Lava - conglomerate to sandstone

Strata nearly horizontal

San Ysidro, north to Bird Is. Point about 1½ mi ±.

Z 1, 2 & 3. Sand washing in.

Much algal growth.

Collected

Acanthina

Thais emarg? lugubrius

Littorines

H. crach. Many all sizes

Lottia.

Bryozoa on mytilus

comp.

Jarjools.

Volcano slip limpit

Crabs - sm., big claws

A - Sand beach 4 mi (or more) N. of San Ysidro - Note - extra large & plentiful Black Abalone

Sand crabs — Sand dollars.

Pismo — Mity Cowrie

Wedgies

BC 17 — San Ysidro S

4-17-51 — 11⁰⁰ a.m. 3⁰⁰ P.m.

Low tide 12³⁵ P.m. mod. surf.

Open abrupt rocky coast.

Lava congl. & sandstone.

Strata nearly horizontal.

San Ysidro, S. several miles to "Friar's Mine" - lava, with iron

Z 1 & 2 - abrupt drop to Z 4.

Collected.

Worms, sandy tubes, overhangs near top surf.

Acanthina & laying egg case.

Thais ~~lugubrius~~

Lottia - full of eggs.

Corallines - Mini-tree like.

" - like leaf.

"Rock oyster"

Goose Barnacle.

[illegible]

Z 1 BC 18 (: 7)

4 - [illegible] 11 [illegible]

Large [illegible] of [illegible]

much [illegible] (spudding) [illegible]

[illegible]

[illegible]

Next [illegible]

C[illegible]

[illegible]

[illegible]

Collected [illegible]

[illegible]

[illegible]

Shrimp [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Stomach (Protothaca staminea)

Pet[illegible]

Cl[illegible]

Cut[illegible] clam, [illegible]

Worm + [illegible]

[illegible] on Eel grass

BC 19, 19

4 - 19 - 37 A 10 [illegible] 12 [illegible]

B 12 [illegible] 2 [illegible]

San [illegible] Bay.

A [illegible]

[illegible] H. T. [illegible]

B[illegible] 3 - 1

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

BC 20

Traveled beach at
Laguna Santa Maria

A – 5 mi. N. [illegible] sand pt

B – 8 mi S. to point,
[illegible] shoulder, [illegible]
[illegible] to [illegible] of tide
permits.

Beach shells only.

BC 21

Campo Arenales, [illegible]
Johnson Rch, (via Corring[illegible]
Sched) [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
Sea Lion Point [illegible]

See also BC 22

BC - 21.1.

Sea Lion Point.

F.D. 4:15 PM -1.2

[illegible]

Conglomerates - Sandstone. Layers of gravel etc. plus fossil shells, not fully fossilized. Discontinuous with gravels etc above.

Huge sandstone "tree" - 48' long. 10" diam ⊙ to 24"-34" ⊙ oval.

See drawing

BC-23 [illegible]

[illegible] Plajita Point. [illegible]

See drawing

BC 22; [illegible]

Thurs. at Pt. Playita Point.

Shore to BC. 23

M 154 ofoz

5-21-51 Eureka area.

On S. Spit, N. of Table Bluff.

A - Inner shore of S. bay: thin sand on blue clay & sand. Q 1 & 2+

B. On S. Jetty sand - Jct of Jetty & beach. Q 1 & 2

C. On E shore same bay, at "King Salmon" 2 miles Conner, on bluff of clay & sand. Q 1.

See note re Fossil oysters this bluff.

Collected -

A. - Macoma nasuta
Mya?
Small Schizothaerus.

Fish in burrow (of callianassa?)

Isopods in holes in peat-clay at Q 1. Seem to be eating roots.

B. - Sm. Jelly Fish -
Emerita -

C. - Sm. Wash. Clam (shell)

Saw Paphia staminea. } Shells in order
Schizo. } named.
Wash. - clams }

E 2 M 158 Fog

5/22/51 Eureka area

On S. spit S. of Table Bluff Lt. 1.5 mi. at Jetty Camp. Low tide 5 45/AM, -1.9'

6-7 AM

A On rocks of Jetty at Camp - land on S. of Jetty, Humboldt Channel mth. W. dur. brackish? Rocks mostly dark greenstone, quartzy veins. Angular. Sand (fine) along jetty at this point where a point of rock extends 75' into bay. Much brown leaf algae & fucus.

7-8 AM

B. On rocks of Jetty out from above about 200 yards west - & on ocean (N) side at near L.T. Many barnacles, some Mytilus calif. Sand about lower rocks. Surf gets side swipe.

A Cont. Practically no Balanus, no Tetraclita, & relatively few Thais & Littorines.

See 5/23 for sample notes. Also 5/20

Collection

A. Acmaea digitalis & 1 & 2
A. persona - large. & 1 & 2
Worms beneath rocks in sand
Pagurus
Amphissa - often
Collisella - lonely
Thais lamellosa - not infrequently
Nassarius " "
Tegula funebralis " "
(Disappointing showing) Kelp crab & other.
Cucumaria (white & small)
Nudibranch - 2 species.
Isopods - large & small. Many on bottom of rocks

B. Thais lamellosa - many, large & varied in size shape color & thickness
T. lima - large.
T. canaliculata " "
T. emarginata
See Thais (species ?) laying eggs.
Chiton. Few seen.

Note - Clam diggers having no luck at all. Report many razors up coast at "Clam Beach"

E3 M 1st Fog. clearing

5-23-51 Humboldt Bay
~~Pompano~~ area 6-8 a.m.

Same as E2-B but a little further out.

B Sample sea water for Saline test taken 8:00 a.m. Hi water 2:30 p.m.

From tide - 6:35 am -1.9'

Collected :-
Thais lamellosa
T. emarg.
T. lima
T. canal.

Note - T. lam. furthest down, in sand often, mostly below Balanus.
T. emarg. highest.
T. lima & T. canal. in heavier barnacles
But no marked zoning! of any.

Mopalia ciliata? Just below Balanus
Sm. Crab with group of T. lam.

Caprellids (maybe this string) . With algal growth giving holdfast & protection otherwise, esp. camouflage.
Isopods &c in above)

E 4 M 154 5-24-51

Humboldt Bay - Eureka area.

A On & about E end of South Jetty -
Shutstone, some greenstone.
Gets tag end of swells coming in Inlet.
Gets waves from N-S-TE on bay.
Sand ft. Z 3 to 4 & out,
Some Balanus. Usual algae.

See sketch

B. Sand bar inside E end of S. Jetty, between it & other jetty to S.
From upper Z 4, but mostly in Z 2-3.

E 4

Collected - add over

A. Littorina sp.
Thais emarg. - many
T. canal.? - check
T. lamell. - some
Acmaea digitalis - A. pelta or scutum
A. persona? check
A. fenestrata - 2 specimens
Sea anemone - large green, white inside
2 Kelp crab (Pugettia) washed up just inside
Comp. ascidian.
Sea anemone, sm. red.
Mopalia ciliata?

B. Polinices 1,
Razor clam (Siliqua), being attacked by above.
Olivella biplicata - profuse.
O. pedroana - few
Sm. white clam - baby.
Marks mark sand O or ⊙ ⊙
Sm. crab.
Orchestia corbi?

Add A:- Grose Mound.

~~M#56~~ 5. vi.-51 E 6 M 159

Whaling Stn. Field's Landing

Male 46' Humpback.

Specimens -

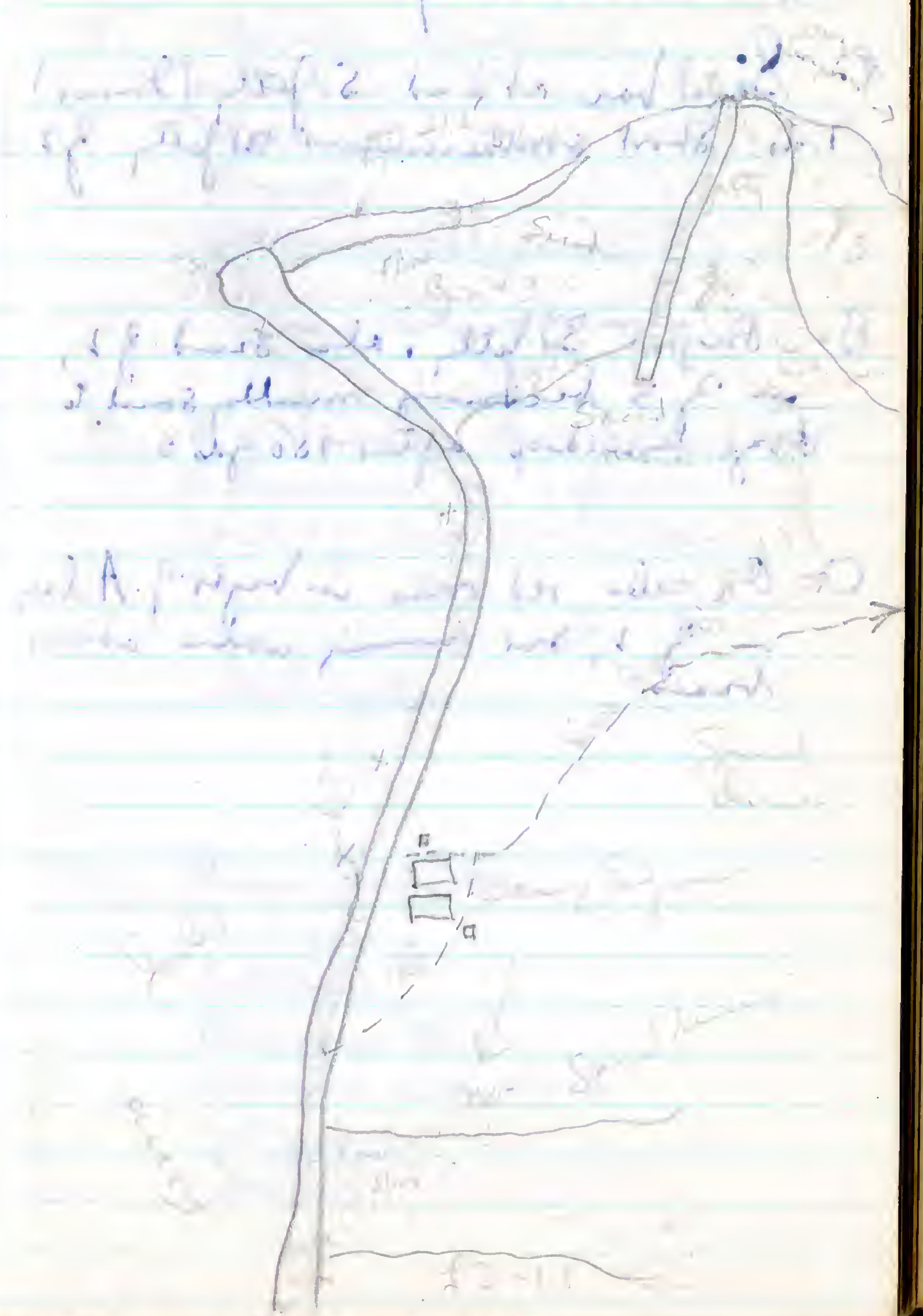
Whale barnacles, med. size

" Grose "

" lice ("Cyamids?")

All on lower jaw.

E 4 Cont'd: Sketch to Scale.



ES M 58-2 37°25-51

Humboldt Bay.

A – Sand bar at end S. Jetty (Inner) & to short southernmost 3d jetty. Z/2-3

B – Beyond 3d jetty, also sand Z 2, in Z 3 becoming muddy sand to ooze knudey after 150 yds S.

C. On piles, old ones in vicinity of A bar, in Z 2, but running water about bases.

Collected

A – Olivella biplicata
3"or 4" kinds crabs – Cancer "Callinectes"?
Small –
Tellina bodegensis
Cardium
~~Thais lam. + emarg.~~
Mya

B. Polinices lewisii – these at slough by 100's
P. Draconis – 1 found.
Shell of rock crab (Pagurus)
" " ?Mya?
Macoma nasuta
Schizothaerus

C. Thais lamellosa
T. emarg.
Littorines
Acmaea sp.
Worms under bark.
Hoppers
Isopods.

E C M129 .

1' - 2"

A - White light

Trellis ... 3" ... [illegible]

"Accent"

Sweet -

Whale ... [illegible]

" grossing ... [illegible]

" Lorica - Cyrano

B. [illegible] - then ... [illegible]

F. Macon - 1 floor

Shell of neck ... [illegible]

" " ?

Macaroni ... [illegible]

[illegible]

C. Those [illegible]

J. Mary.

Putterman

Barnes Sq.

Women under heat.

Philippines

Sargent

(C. 1 [illegible]

Jerry 4-51

F.J. 5:50 am - 1.0

(Room Beach, Dr. Bishop [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Cl. 1 M160

June 4-51
T.T. 5:00 am -1.0.

Cleone Beach, Ft Bragg area.
N. of trestle -
Rocks, eroded flat, islands
with deep clefts full of sand
below 2 or 3.

Collected
Littorina scutulata
Thais emarg.
T. lima
Chitons
Mopalia
Katharina
2 other
Ostrich feather hydroid - Aglaophenia
Sertularia
Emerita analoga
Hoppers - Orchestoidea
Worms - nereid - fr. sand
Cancer
Pisaster och.
Orchestoidea
Pycnopodia
Goose barnacle

Cl 2 M/61

June 5, 1951 F.K. Bragg area.
Point S. of trestle at
MacKerricher State Park -
rocky point. Some loose boulders.
Good MD. outer coast -
mod. sand - [illegible]
mostly J & H & Z today

Collected -
Diadora aspera
Pagurus sp
Styela
Margarites

See June 6

Collected
Corynactis - Balanophyllia elegans
Comp. ascidian
Calliostoma costata
Tegula brunnea - large.
T. funebralis
Crepidula aculeata
C. nummaria
A. pelta Shield limpets
A. scutum
A. mitra .
Pugettia producta?
Henricia
Pycnopodia
Leptasterias aequalis
Dermasterias - leather star
Hapalogaster cavicauda (crab)
Flat claw crab.
Chitons - various
Nudibranch .
Red
Brown .
Cryptochiton
Haliotis walallensis
H. rufescens
Strong. franciscanus + purpuratus
Scyciogaster (Caulolatilus) Clingfish
Blenny
Isopods

Cl 3 m161

June 6 - 51 Ft Bragg Area
Cleone Beach - S.

On same point as Cl 2
but on interior area
where protected from N.W.
& Southerly winds & waves -
otherwise an
Unprotected Outer Coast.

Jr. 2, 3 & 4.
Low surf.
Low tide 7[15] AM -0.9
Overcast, no wind.

also June 5

Collected

Red cucumaria
Small red sea anemone, white fringe
Crabs - various. esp. one with long hairy carapace.
Abalones dead & green
Chitons
Calliostoma costata
&c
Thais lam. (1)
Acmaea insessa
Amphissa versicolor
Urosalpinx
Margarites

Cl 4 M 16

6-7-51 Ft Bragg area

Cleone Beach.

Same as Cl 3 but further South included.

Low tide 7[45] AM -0.8

moderate surf

Sunny

Collected -

Abrosalpinx

Margarites

Collections include

Yellow sponge

Purple Comp. ascidian, with blue holes

Yellow " "

Worms - with plume, plastic tube

" " - green, tube of shell particles &c.

Cucumaria miniata

" (red)

Sipunculid

Thais lima & emarg.

Acmaea pelta (plate)

A. scabra

Coral polyps

Serpulid? (1)

Chitons - various

Calliostoma costata

Kelp crabs (Pugettia sp.)

Flat claw ..

Keyhole limpet, mantle over shell.

Onchidium

Long thin red worm.

nudibranchs - 3 sp.

Haliotis ruf. & walk. (small)

Amphissa vers. &c.

(Across)

Cl 5'M163 Cleme Bch.
6-7-51

Dried beach N. of point
where collected Cl 3 & 4
Collected by J. Cropsey from
Gotham &c.

Collected
Hydroids - several
Emerita
Thais lima
Thais emarg.

(Rock dwelling stubby clam)
(Saxicava pholadidea)

ALGAE

1951

CSX, CPX, CPSX, BC, E, M, O, MS,
S, SX, SXP, SPX, PS, XP, XS, XPS,
X, MPSX

to correct
#93
122
126
43

S - Q Stretching
X - P.M. Sta.
P - C.O.P.
M ✓ - LOM
O - Paul Selva

LEE O. MILES
COLLECTION

#1
Pelvetiopsis
limitata
Zone 2 - rock
with barnacles
6/20/51
[illegible]

Algology -

Al 1 - 6-20-51 - Shirttail

See after #51 ... SXP ✓

see 72 { Spec #1 Pelvetiopsis limitata
" #5 Fuzzy cream.

Anemal SXP —

Al 2 - 6-20-51 Pier, down

SXP —

Spec #4 - Ulva ~~[illegible]~~
linza P.S.
Linnaeus

See pl. 62

Al 3 : 6-20-51

Rocks, Jetty near Pier bar

X✓ Spec #2 ~~Iridophycus~~ flaccidum ~~Ulva lactuca~~ See #17

PS X✓ " #3 Egregia menziesii

" #6 ~~Gloiosiphonia californica~~ Agardhiella Coulteri by Silva. ~~Scott 78~~

~~Has algal parasites look like rice grains at base.~~

Agardhiella #6 PS X✓ pl 62

get 1 more for P+S

Spec #7

Lithothrix aspergillum

of Corallinaceae

#8 ~~Callophyllis~~ sp. S ✓

Red Algae ~~megalocarpa~~)

N. cryptocarpa, new veins

North Hillon (Rocks)

June 3 - 21

Cryptopleura

(P.S.)

#9 see #8 Hymenena flabelligera S X

Red (Weight veins) Kylin

July 3 N. Dillon rocks

Plate 89

Jul
Monr

#10 PSX ✓

Fucus furcatus

g v n. Dillon Beach

Collected from left ... g v at Dawson, & rocks of ...

#11 See 41 PSX 5

~~Furcatus~~? Pl.

Stenogramma

californica ?

Harv.

~~Gymnogongrus~~

linearis ? See stipe.

n. Dillon Beach

7-17-51 Shell Beach in cystocarpic stage.

#12 CSX ✓ See 6 ✓ & 18

Gigartina papillata

#13 PSX ✓

Halosaccion glandiforme Ruprecht

Rocks N. of S. Jetty - down toward Campbell Cove

#12 Sel 53 ~~Colpomenia~~

~~Sinuosa~~ Sauv.

On rocks - usually epiphytic

Same niche as #13

Leathesia

difformis areschoug.

#13 ~~?~~ Plate 17

Desmarestia

~~munda~~

~~Setchell & gardner~~

Channel at Inlet

Very acid — Ph 1

Color other specimen

16 [illegible] herbarum   Plate 1

[illegible]

Channel at Inner.
very acid – Ph 1

Color other specimens

P S X ✓

17   Sect. ✓   6/25

[illegible]   Pl 72
flaccidum –
Jetty [illegible] Sylvan   5 + G.
Varies in color with zone.
Same as #2 – off Jetty at [illegible]

SX ✓

#18

Agardhiella coulteri

Shetler (Paul Silva)

See #6

6/75 ✓

#18

Rhodomela larix Agardh

Shent Paul Silva

From 2.0 to 0.5 ft ? Chestiles

On rocks - Zone 2 into 3.

#19 see 56

P. 362 Pl. 93

Polysiphonia 5 sp.

californica Harvey

To Recollect

#20 – PSX ✓ 6/25 ✓

plate 63
fig. 4

see 51 Gracilaria
Sjoestedtii
Kylin

Red at base otherwise Brown.
Has rice like granules ~ thallus
See #1 plate 63

~~also 20~~

#71 SPX –

Postelsia palmaeformis
Rupr.

~~G.~~

#24 PSX ✓ (Rely) Plate 26

Macrocyptes integrifolia

~~get~~

narrow lance-blade

6-10 x longer wide

#23 PSX ✓ Ref. Plate 31

Macrocystes pyrifera

~~get~~ get

Broad blade 3 to 5 x longer wide

Pl. 34

#74 Nereocystis
~~Luthkeana~~ luetkeana

Gct

P S X ✓

#75 Cystoseira osmundacea Ag.

Pl 34

g. v.

~~Gct~~

6/28/51

afloat

5X ✓ C #26 Pterochondria woodii Hollenberg

Finely divided reddish -

6-26-51 Pl 95 - P 368

On Cystoseira (#25)

mounted together

Pier Rocks to E,

#27 PSX ←

6-26-51

Rocks Q 3 - Pl 69 fig 1

Gigartina cristata S & G.

Also Shell Beach 7-3-51

Spec 28 S ✓

6/26/51 – N. rocks Dillon

Thernt – P. Silva
Gigartina
agardhii

X ✓

Spec 29 See also 30

6/26/51 Rocks of 3 + 4
Effloresce Pier – Jetty –
Cells like Spirogyra –
Enteromorpha
compressa ? P.S. [illegible]

~~Not mounted~~ 1/4 [illegible]

"Gigartina" agardhii
~~[illegible]~~ (i.e. [illegible])
(leg. [illegible])

Spec. # 30 See 29

Thread epiphytic on
#29 ?,

Probably filamentous branches
of #29

Correct P.S.

PSX ✓

Spec # 31 Pl 73

Iridophycus
heterocarpum

ident. P. Silva 5x9

Rocks N. Jetty Dorm

Large cystocarps + 2.0 mm +

Shell Beach 7/8/51

P.S.
OK

CS✓R Spec # 32 Pl 97
See 60 + 70

Adonthalia
floccosa Falkenb
Ident (P. Silva)
Rocks N. Dillon

Spec 33. S Pl 85

Ptilota hensa Agardh.
Ident P. Silva.
Rocks N. Dillon

Get
more

Endocladia muricata

Microcladia borealis 35

xPS ✓ Spec. 34 sec 63 Pl 47

Endocladia muricata – Agardh

Rocks n. Dillon Bch –

Dark.

Also lighter specimens

fr. Shirttail gulch

7-1-51

P Silva

S ✓ Spec 35 sec 67 Pl 85

Microcladia borealis Rupr.

n. Rocks Dillon

P. Silva

Gastroclinus
coulteri

36

Spec 36 PS ✓
Primitia seus 9-61
Lyalii Ham
N Rocks Dillon
Brown in life

P. Silva

Spec 37 XS ✓
Gastroclinium
coulteri Kylin
N. Rocks Dillon

P. Silva

38 P S X M —
Pl 62

Plocamium
pacificum Kylin

N Rock + hillow

Stemple Cr. rocks. 7-5-31

P. Silva ident.

39 X Pl 66

Gigartina
corymbifera S + G.

~~Same as 31 ?~~

✓SXP #40 Pl. 85

Ptilota filicina Agardh.

Same area 38

✓?SX #41 Pl. 65 see #11

Gymnogongrus linearis Agardh

Same area 36

Ptilota filicina $

Gymnogongrus, #
linearis rocks
— sandy
@ tide level

42 C-5XP

Laminaria
Andersonii Eaton

Single stipe & blade, often divided as tho cut horizontally
Large holdfast (hapteron)

Immature spec. epiphytic on mature of same? species

Mature 50 cm long. 3 cm diam

Note epiphytes on the young epiphytic (ch on species)

43

?

Less than 1" — clusters or mats on rocks of 1 (510' above ?)
Looks brown.

44 MPSK✓ Pl. 6

Moss-like - filamentous,
green (with chlorophyl)
at Q 1 - vivid green.

One of Cladophoraceae

~~Cladop~~ Cladophora
tricotoma. P.S.
C~~haetomorpha~~
~~aerea - Kützing~~.

Pl~~ate 6~~.
2' - 6' above L.D.

"Irish Moss"

8.2.51 HS Cove -
Optimum growth

MS # 45

Porphyra lanceolata (sp?) see 74
gardnerii
6/29/51 Dillon N. Rocks.

Upper barnacle (Q 2 ~~1~~)
~~sometimes 12"-14"~~.
Exposed long periods.

8193 XS✓ #47 7-1-51

Polysiphonia

on ~~?~~ [illegible] of
Schizothaerus

Below pier at Doran
in sand of 3+4
at 0.0' ± depth 10" long.

See #19

46 ~~Plate~~ P46
Ulva expansa SrG

HS Case
38" X 40"

48

Mosslike, bluegreen mat, Bodega Lagoon at S.E. end, Salicornia zone, above lt green, algae like Spirogyra Filamentous, 1/2" mat. In clay-silt or sand.

Preserved, not dried.

MPSX ✓ 49 Pl 22

Ribbed – with associated
7-3-51 – Sheel Beach

Costaria costata Saunders

Note – 49 except 49 b above, same sp. as #20 –
(~~Note 49~~ (~~except 49 b~~

PXS ✓ 50 Sec. 24

7-3-51 Shell Beach

Z4 Below 0.0' Pl 13

Erythrophyllum delesserioides Agardh

about 0.0', in surf.

Sec. 20 # 51 PSX ✓

Gracilaria Sjoestedtii Kylin

Pl. 63 Fig 4

Variable Form.

Shell Beach

1

Pelvetiopsis
limitata –
yellow green – 3"–4" well
branched on exposed rock.
Shirttail gulch –

CP 5X ✓ 52 Pl. 14
P. 98

Heterochordia
abietina 549

Several + many branches
fr crustose.
Q 2 to 3 –

(Much like
gloiosiphonia)

Shirttail gulch
Sr. a. F H Rose –

sec 14

53

Leathesia
difformis Areschoug.

Like yellow oak gall, but irregular

---

54 X ✓

Pl. 55

Grateloupia
californica

Slimpler Cr. rocks –
at –1.0' in sand.

Pl 55 55 M P S X ✓

~~Grateloupia~~
~~setchellii~~ - ~~Kylin~~

with 54

or ~~Farlowia~~
~~compressa~~ Agardh.

Prionitis sp
a northern species
not in Smith.

(P.S)

PSX — 56 Sec 19

Polysiphonia
californica

Seen in estuary of Stemple Cr.

No specimen taken

Also Shell Beach - 7-3-57

Also H S Cove 7-16-57

57 5X ✓

~~Pr[illegible]~~

Iridoprocne[illegible] sp.

splendens? (P.S.)

~~I[illegible]~~

Smithsonian

H.S. Cove 7-6-51

MPSX ✓ 58

P348

Pl. 89

See #9

Hymenaea

phalloides[illegible] (P.S)

Kryn[illegible]

H.S. cove

7-6-51

Shell Beach 7-3-51

See #9.

[illegible]

7060 79 - 93 - 95 - 96 - 98 - 99 - 101 - 104 - 115

PPSX ✓

59 see ~~26~~ - 61

H.S. Cove in tide pool above Balanus. [marginal note, illegible]

7-6-51

Prionitis ~~lanceolata~~ Lyallii (S.P.)

Harvey

~~Sharp~~ Acute ends, narrow thallus

Check ~~all specimens~~ this no. with 61 ✓

MPSX a ~~upper~~ pool

PPSX b lower pool

(same as a -

PSX ✓ 60 - see #32 ✓ 4/10

Odonthalia floccosa 014 (P.S.)

a ~~cystocarpic form~~ ?

Spindle - many forms

H.S. Cove

CSX ✓ 61 Sec 3-59

Primuli Lyallii (P.S)

H.S. Cove ~~7-6-51~~
& 7-10-51

~~Blunt apex~~ Broader thallus

note 61 are correct sec.

~~a - upper tube part~~

~~b - lower " "~~

o.k.

CSX ✓ # 62 Sec 12 & 78 Pl 70

Gigartina papillata Agardh (P.S)

See # 12

H.S Cove 7-6-51

" " 8-2-51
Cystocarpic but small

MSX X ✓

63

Endocladia see 34

muricata Agardh

H.S. Cove 7-6-51 (P.S.)

H.S. Cove 8-9-51

CSX ✓

see 77 also

64

Family Corallinaceae. was 66 to correct it.

Pl 53
P 231

64 to P.S.

Calliarthron
setchelliae manza
or regenerans P.S. (P.S.)

CSK✓

65

Corallinaceae

65 to PS

a – ~~long~~ short [illegible] } same (P.S.)
b – long " }

Corallina
vancouverensis (P.S.)

~~not in Smith~~

Smith calls it C. gracilis

The fine one. !

Corallinaceae

66 [illegible] (~~[illegible]~~)

~~Corallina~~

~~66 to PS~~

~~Lith~~ 65

Bossea plumosa. Pl. 51
manza P. 253

P. Silva wants all Bossea he can get.

PSX ✓ 67 see also 35 ✓

Microcladia borealis Rupr.

HS Cove 7-6-51

Also Shell Beach 7-3-51

(P.S.)

68 SPX ✓ See 33

Ptilota densa Agardh

(P. Silva)

HS Cove 7-6-51

69 ~~69~~

Corallinaceae

H.S. Cove 7-6-57

Callicrethron cheilosporioides Pl. 53 p 237

With 68 Manza (P.S)

– Ptilota densa.

Seem to have ... not.

70 5 X

Odonthalia floccosa Falkenberg

See #52 + 60 (P.S.)

H.S. Cove 7-6-57

Distinctive odor – slightly ammoniated –

CPX 71

Plate 8

Alaria
marginata
Postels & Ruprecht.

Very long & broad -
Duxbury Reef.

On rocks exposed points -
Below L.T.!

72 Pl. 33
~~See X~~

Pelvetia
fastigiata
De Toni

Fig 1 + 2

CPK✓ 73

Porphyra perforata ~~schizophylla~~ Jgh Pls 39-40

~~Inverness~~ -

~~floating with ammi~~ -
Dillon Is., Rock.
7-8-51

74 54 45

Porphyra Pl 38 + 41
lanceolata
G.Sm.

7-8-51

Inverness -
~~epiphytic~~ on [illegible]
[illegible]

75 69

Constantinea
simplex
Setchell

Pinus like, washed
in H.S. Cove
7-10-31

Preservation

76 CSPX ✓

Botryoglossum
Farlowianum
DeToni.

Washed, H.S. Cove
7-10-31

CSK ✓

s496 77

Pl. 53

Corallinaceae

Thin long [illegible] algae [illegible]

Calliarthron
setchellii
Manza

May have wide attachment.

Has some blue green algae on it.

SU 17462 X ✓ 78

Pl 70

J.G.G.

Gigartina
papillata.
Harvey

Shell Beach.

North of reported range, some diff. of degree of proliferation & [illegible]

Get more

79

~~Pelvetia~~ [illegible]
[illegible]

CSX ✓ ~~80~~ 80

~~Iridophycus~~
heterocarpum
SYG

~~blurring, cystocarps 2 to 3 mm large.~~

Spongomorpha Pl
coalita 6
P65
Collins
Shell Beach, 7-3-51
1.0 to -1.5' & lower.

81 no specimen

Plocamium
violaceum
Farlow

Larger than #38

Shell Beach
7/3/57

To get

2.5' to 0.5" on vert. faces
exposed to surf.

no specimen

SPX 82.

~~Rhodoglossum?~~
~~parvum~~
~~Smith & Hollenberg~~

Spec. larger than reported
from Cypress Point!

From Shell Beach 7-3-57

Hilsea californica

not in Smith.
Northern Species

(P.S.)

CPX ✓ 83 ~~Pl~~ 8b

~~Microcladia~~ ~~coulteri~~ ~~Harvey~~

Stemple for Rocks.

an epiphyte.

Odonthalia sp. (P.S.)

from north!

84 Pl 9

Codium
Setchelli Gardner

To get

CPX ✓ 88 Pl 44
P 196

Gelidium ~~coulteri~~ ?
purpuras~~cens~~ ~~Harvey~~ Gardn.

Pulled into clumps by worm casts

Looks like Leptocladia.

Tough, low, wiry, narrow.

~~Slempy~~ Creek rocks

(P.S.)

86 Pl 48

~~H.~~ Petrocelis franciscana
~~Hildenbrandia~~ S & G
occid~~entalis~~ Setch.

Blackish crust, tightly adherent to substrate. Even in Acmaea.

Closely related to ~~Hildenbrandia~~ H. Bean ?

Shell Beach. 7-3-51

(P.S.)

SPX ✓ 87

Pl 20

Sorauthera
ulvoidea P & R (P.S)

~~Parasite~~ Epiphyte always).
Usually on Rhodomela
larix

~~Gel~~ HS cove
Shell Beach 7-17-51

88.

Corallinaceae (P.S.)

Lithothamnion ~~sp.~~
conchatum?

Epiphytic on other corallines.

HS Cove.

89.

Pl 54

Bossea
dichotoma. Manza

HS Cong

(P.S.)

no specimens.

90.

Rhodochorton

Looks like fungus growth, flat,
shady, high up in splash zone.

To get

Rusty, fuzzy.

SXP ✓ 91 Pl 22

Dictyoneurum
Californicum
Ruprecht

Deep water - low tide & below.

HS Cove - 7-16-51

PSX ✓ 92 Pl 9.

Codium fragile
Hariot

HS Cove 7-16-51

Elkhorn, dk green.

yellow Green tips male gametangia.
Black " " female "

SPX✓ 93

Gigartina
canaliculata
from Laguna del Mar.
7-16-51 - Karl Petersen

SPX✓ 94 Pl 56

Prionitis filiformis
Kylin
7-17-51 Shell Beach.
or L.J.

SPX ✓ 95 ✓ Pl 56

Prionitis
linearis Kylin

7-17-51 Shell Beach
at L.J.

SPX — 96 ~~Pl 59~~

~~Prionitis~~ australis
~~ahnfeltia~~ J. Agardh
Question as to Genus — see
key, "width of branches"

7-17-51 Shell Beach
at LJ

Pl 60

Ahnfeltia
gigartinoides
J. Ag. P.S.

PXS ✓ 97

Porphyra
miniatum
Anderson

Shell Beach 7-17-51
at L.T. & lower.

Sea II 8 98 SX ✓ Pl 59

Callophyllis
nitophylocarpa ?,
SXS

Shell Beach 7-17-51

Epi. on Prionitis
Cystocarps

99. ✓

Laurencia spectabilis (Pl 97)
P&R

Shell Beach 7-17-51
with Brown

100

Epiphytic Corallines.

Shell Beach 7-17-51

X ✓

101 major

Sx1,03

Iridophycus sp.:

like I. lineare spg

except for "long stipe".

Also in short?

7-18-51

HS Cove

X ✓

102

~~Porphyra sp.~~

~~near P. [illegible]~~

Epiphytic on 101

7-18-51

HS Cove

Rhodymenia palmata

(P.S.)

103

Iridophycus ~~[illegible]~~ parksii

See 101.

7-17-5'1 HS Cave

104

Psammiopsis

littoralis ?

~~Sp? (the [illegible]~~ 8 spec., all white)

H.K.

HS Cave 7-17-5'1

105 SX✓

Haplogloia andersonii flowering

H.S. Cove 7-17-51

106 X✓

~~Gelidium~~

~~coulteri~~

~~Harvey~~

~~Ft Ross~~ (small cove)

7-18-51

Gigartina canaliculata

(P.S.)

107

?

HS Cove 7-17-51

108 ✓

Pl 60

Schizymenia pacifica Kylin

Only question, about Gland cell

Stewarts Point 7-21-51

OK P. S.

109 SX ✓

Pl 81

Callithamnion
pikeanum
Harvey

Stewarts Pt

7-21-51

110

Sc, 771

Pl 33

~~Fucales~~ ?
(Pelvetiopsis ?
Gigartina gardneri

Stewarts Point

7-21-51

Gr Pelvetia fastigiata
("very similar - R.S.")

111 Sec X ✓ 83 etc

Odonthalia floccosa (P.S.)

Stewart's Pt 7-21-57

112

Ceramium sp.

Epiphytes on Gracilaria pacifica

Sec 20 & 51

7-26-57 [illegible] Pass flat.

[illegible]

113 SC X ✓

Ceramium codicola
J.G.A.

Epiphytic on Codium fragile

To Gat.

7-26-51 Ocean Pier

114

Polysiphonia ? cf. Tuomeyi (P.S.) Harv. See 56 & 19

Epi. on Agardhiella Coulteri
" " Zostera

7-26-51 Ocean Pier

115 ✓

Porphyra sp.

Epi. on Zostera.

Doran Pier 7-26-51

X ✓ 116

Melobesia (Fosl.) mediocris (P.S.)

Corallina on Eel Grass.

Bodega Lagoon -

7-26-51

117

~~nicaeensis~~ Pl 85
californicum

Stewarts Pt. 7-21-51

Plocamium gracilis P.S.

118

Leathesia Pl 15.
nana.
S&G

Channel, Dorman Pier.
7-30-51

In F.A.A.

On Phyllospadix (Eel Grass)
with Bryozoans

~~#7~~ PSx ✓

~~[illegible]~~

119

Scytosiphon lomentaria Pl 19

JGa

Doran Pier on rocks and Bolinas - 8-1-51

In sausage-like constrictions

120 Pl 45

Cryptosiphonia woodii JGag.

~~[illegible] like Heterochordaria but branched.~~ P.S

Doran Pier on rocks just below Bolinas

8-1-51

121 5X✓

~~Rhodymenia~~ ~~pacifica~~ Kylin ~~Pl.~~ 98

Perch Rock - Dillon Bch. N.
8-1-51

Cy 2/3

H S Cove 8, 2, 51

Gastroclonium
coulteri Pl. 75
Kylin

122 X✓

Small red? 3 cm tall, in
mat, tips of branches green.
Sparsely branched.

Cy 3

P.S. not same

Parasite

123 on 16 X ✓

Goniolithon
Skottsbergii
Setchell
Pl 92

Pinker than host, Botryoglossum
farlowianum

8-2-51 H.S. Cove.
at 0.0'.

124 ✓ Sec 50

Erythrophyllum
delesserioides
Agardh

H.S. Cove 8-2-51

O.K. P.S.

125 PSX ✓

Pl 57

Prionitis lyallii ~~[illegible]~~
Eaton P.S.

H.S. Cove 8/2/57

126 ✓

Coralline - plant.

Large #2 tide pool at N.E. Cove.
8-2-57

P.S. "not described" "new".

127

Hymeneas sp.

8-2-51

H.S. Cove:

PSX

128

~~Rhodoglossum sp.~~

8-2-51

H.S. Cove - # 2 (upper)

Iridophycus Phalsii

P.S.

not in Smith

129 See 65

Corallina
vancouverensis

HS Cove - 8-2-51

P.S.

130

~~Polysiphonia sp.~~

Shell Beach 8-16-51

Cryptosiphonia ~~sp.~~ woodii

P.S.

130 a

Polysiphonia sp (P.S.)

Same time & place as others.

131 See other ✓

Prionitis Lyallii

Shell Beach - 8/16/51

132. ←

Peyssonnelia

Peyssonnelia pacifica Kylin.

Brown crust with white margin on Tegula brunnea.

133

Callithamnion
regenerans

(P.S.)

Shell Beach 8/16

Entered in Smith, to here.

M 134 spec. to P.S.

Fine, wiry, in clumps.
Dark.

Washed ashore H S Cove
9-26-57

M 135   6b-1

Red leaf, cut-plus
Epiphytes (a [illegible]) usc
spec 6b-1   Pms.

HS Cave branch,
9-26-57

M 136

4" Red leaf, in clumps.

Washed ashore HS Cave
9-26-57

M 137

Leaves long, stipe much branched, linear, strip 14" long

Washed ashore H8 Cove
9-26-57

M 138

Short 4", plain, crisp, soft & gelatinous.

W. a. H8 Cove
9-26-57

M 139

Short, crinkly brown stipes, divided. Jn clumps

W. A. Hiscock
9-26-51

M 140

Same ? as 139

M 141

Lithophyllum?

Broad red leaf, thin, irreg. divided, flat strips rough edges to blades.

Plum epiphytes

W a HS Cove

9 - 26 - 57

M 142

Pneonitis?

Plum epiphyte -

W a HS Cove

9 - 26 - 57

M 143

Same as M 139 & 140?

Plus Coralline -

W.h. A.S. Cove
9-26-51

M 144

Coralline with M 143

W.h. A.S. Cove
9-26-51

M 145 ✓

Fine leaf, clump 3" diam

W.A. H.S. Cove
9-26-51

M 146 ✓

Broad leaf, 3" tall,
edge much ruffled & cut.

W.A. H.S. Cove
9-26-51

M 147 (Jar)

"Irish Moss" – clump.

W.A. HS Cove 9-26-57

M 148

1½" diam round ball very thin broad leaves, dk – soft.

(1 spec. only)

W.A. HS Cove 9-26-57

M 149 -

Hellgrass ?

W a H S Cove
9 - 26 - 77

M 150

Rocks, G 2 + 3,
Devon Pass
10/1/39

151 ✓

Gigartina

10/2/51
Jetty, inside plank wall-floor

M 152 ✓

Epiphytes on Rhizomes —

10/2/51
Jetty, floor

~~M~~ 153

Gigartina —

H S Cove 10/28/51 after storm - washed ashore.
Papillae on margin ♀

154

Gigartina

HS Cove W.A. 10/28/51

Papillae on margin not bifurcate.

155

Dictyophycus ?

Brown? - long, leathery

HS Cove WA 10/28/51

156 O

Constantinea

simplex

WA HS Cove 10/28/51

157

R

feathery, no stipe.

WA HS Cove 10/28/51

O 158

Feathery, on Coralline –

W.A. HS Cove 10/25/51

O 159

Coralline, thin long, esp. lost branches

W.A. HS Cove 10/25/51

160 O

Pithothamnion, sp.
on 159?

W.A. HS Cove 10/25/51

161, 162, 163 O O O

Brosea?
with 2? epiphytes

W.A. HS Cove 10/25/51

164 0

Coralline.

Wh H S Cove 10/25/57

165 0

Coralline

Wh H S Cove 10/25/57

166 0

4" Clusters, leathery,
some [illegible] [illegible] & clips tip

Wh H S Cove 10/25/57

167 0

Coralline.

Wh H S Cove 10/25/57
Rough thin branches.

168 0

Corallina

W A HS Cove 10/28/51

---

169 0

Corallina

W A HS Cove 10/28/51

170

Short coralline, clump.

W A HS Cove 10/28/51

171

Epiphytic crustose coralline on coralline

Possibly 1, 2 or 3

W A HS Cove 10/28/51